

Table E6. World Total Other Fuel Consumption for Transportation by Region, Reference Case, 1990-2020
 (Million Barrels of Oil per Day)

Region/Country	History			Projections				Average Annual Percent Change, 1997-2020
	1990	1996	1997	2005	2010	2015	2020	
Industrialized Countries								
North America	0.5	0.6	0.6	0.6	0.7	0.8	0.8	1.6
United States ^a	0.4	0.4	0.4	0.5	0.5	0.5	0.6	1.5
Canada.	0.1	0.1	0.1	0.2	0.2	0.2	0.2	1.5
Mexico	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8
Western Europe	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.5
United Kingdom	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
France	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
Germany.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
Italy.	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.5
Netherlands	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
Other Western Europe.	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.5
Industrialized Asia	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.8
Japan	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.6
Australasia	0.0	0.0	0.0	0.0	0.0	0.1	0.1	1.3
Total Industrialized	0.9	1.0	1.0	1.1	1.2	1.2	1.3	1.2
EE/FSU								
Former Soviet Union	0.5	0.4	0.4	0.4	0.4	0.5	0.5	0.9
Eastern Europe	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4
Total EE/FSU	0.5	0.4	0.4	0.5	0.5	0.5	0.5	1.0
Developing Countries								
Developing Asia	0.4	0.3	0.3	0.3	0.4	0.4	0.4	1.2
China.	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.9
India	0.1	0.0	0.0	0.0	0.0	0.0	0.0	1.0
South Korea	0.0	0.0	0.1	0.1	0.1	0.1	0.1	2.3
Other Asia	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.9
Middle East	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5
Turkey	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4
Other Middle East	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5
Africa	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
Central and South America . . .	0.1	0.2	0.2	0.2	0.3	0.3	0.4	3.9
Brazil	0.1	0.1	0.1	0.2	0.2	0.3	0.4	3.9
Other Central/South America . .	0.0	0.0	0.0	0.0	0.1	0.1	0.1	3.8
Total Developing	0.5	0.5	0.5	0.6	0.7	0.8	0.9	2.4
Total World	1.9	1.9	1.9	2.1	2.3	2.5	2.7	1.5

^aIncludes the 50 States and the District of Columbia. U.S. Territories are included in Australasia.

Notes: EE/FSU = Eastern Europe/Former Soviet Union. Totals may not equal sum of components due to independent rounding.

Sources: **History:** Derived from Energy Information Administration (EIA), *International Energy Annual 1997*, DOE/EIA-0219(97) (Washington, DC, April 1999). **Projections:** EIA, *Annual Energy Outlook 2000*, DOE/EIA-0383(2000) (Washington, DC, December 1999), Table A2; and World Energy Projection System (2000).

Table E7. World Total Road Use Energy Consumption by Region, Reference Case, 1990-2020
 (Million Barrels of Oil per Day)

Region/Country	History			Projections				Average Annual Percent Change, 1997-2020
	1990	1996	1997	2005	2010	2015	2020	
Industrialized Countries								
North America	9.4	10.6	10.8	13.0	14.3	15.4	16.5	1.8
United States ^a	8.1	9.2	9.4	11.2	12.1	12.9	13.5	1.6
Canada.	0.7	0.7	0.8	0.9	0.9	1.0	1.0	1.3
Mexico	0.6	0.7	0.7	1.0	1.2	1.6	2.0	4.6
Western Europe	4.6	5.1	5.2	5.8	6.1	6.2	6.3	0.8
United Kingdom	0.7	0.8	0.8	0.9	0.9	1.0	1.0	1.0
France	0.7	0.8	0.8	0.9	1.0	1.0	1.0	0.9
Germany.	1.0	1.1	1.1	1.3	1.3	1.3	1.4	0.8
Italy.	0.6	0.7	0.7	0.8	0.8	0.8	0.8	0.5
Netherlands	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.9
Other Western Europe.	1.4	1.6	1.6	1.8	1.8	1.8	1.9	0.7
Industrialized Asia	1.6	1.9	1.9	2.1	2.2	2.3	2.3	0.8
Japan	1.2	1.4	1.5	1.6	1.7	1.7	1.7	0.6
Australasia	0.4	0.5	0.5	0.5	0.6	0.6	0.6	1.4
Total Industrialized	15.6	17.6	18.0	21.0	22.5	23.9	25.1	1.5
EE/FSU								
Former Soviet Union	1.5	0.5	0.6	1.0	1.1	1.3	1.4	3.8
Eastern Europe	0.5	0.4	0.5	0.7	0.8	0.9	0.9	2.8
Total EE/FSU	2.0	0.9	1.0	1.7	1.9	2.1	2.3	3.4
Developing Countries								
Developing Asia	2.0	3.3	3.6	6.0	7.7	9.5	10.2	4.6
China.	0.5	0.8	0.9	1.9	3.1	4.5	4.9	7.6
India	0.4	0.7	0.7	1.3	1.4	1.5	1.5	3.3
South Korea	0.2	0.4	0.5	0.7	0.8	0.8	0.9	2.6
Other Asia	0.9	1.4	1.5	2.2	2.4	2.7	2.9	2.8
Middle East	0.8	1.2	1.2	1.4	1.6	1.9	2.2	2.6
Turkey	0.2	0.2	0.2	0.3	0.3	0.4	0.4	2.1
Other Middle East	0.7	1.0	1.0	1.1	1.3	1.5	1.8	2.7
Africa	0.6	0.7	0.7	1.0	1.2	1.6	1.9	4.5
Central and South America . . .	1.3	1.7	1.8	2.4	3.0	3.8	4.7	4.3
Brazil	0.6	0.7	0.7	1.0	1.3	1.6	2.0	4.4
Other Central/South America . .	0.7	0.9	1.0	1.4	1.8	2.2	2.7	4.3
Total Developing	4.7	6.9	7.3	10.8	13.6	16.7	19.0	4.2
Total World	22.3	25.5	26.4	33.4	38.1	42.7	46.4	2.5

^aIncludes the 50 States and the District of Columbia. U.S. Territories are included in Australasia.

Notes: EE/FSU = Eastern Europe/Former Soviet Union. Totals may not equal sum of components due to independent rounding.

Sources: **History:** Derived from Energy Information Administration (EIA), *International Energy Annual 1997*, DOE/EIA-0219(97) (Washington, DC, April 1999). **Projections:** EIA, World Energy Projection System (2000).

Table E8. World Total Air Use Energy Consumption by Region, Reference Case, 1990-2020
 (Million Barrels of Oil per Day)

Region/Country	History			Projections				Average Annual Percent Change, 1997-2020
	1990	1996	1997	2005	2010	2015	2020	
Industrialized Countries								
North America	1.7	1.8	1.8	2.3	2.7	3.1	3.5	2.9
United States ^a	1.6	1.7	1.7	2.1	2.5	2.8	3.2	2.8
Canada.	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.3
Mexico	0.0	0.0	0.1	0.1	0.1	0.2	0.2	6.3
Western Europe	0.6	0.8	0.8	1.0	1.2	1.4	1.6	3.1
United Kingdom	0.1	0.2	0.2	0.2	0.3	0.3	0.4	3.4
France	0.1	0.1	0.1	0.1	0.2	0.2	0.2	2.8
Germany.	0.1	0.1	0.1	0.2	0.2	0.2	0.2	2.8
Italy.	0.0	0.1	0.1	0.1	0.1	0.1	0.1	2.9
Netherlands	0.0	0.1	0.1	0.1	0.1	0.1	0.1	3.2
Other Western Europe.	0.2	0.3	0.3	0.4	0.4	0.5	0.6	3.2
Industrialized Asia	0.2	0.3	0.3	0.4	0.4	0.5	0.5	2.1
Japan	0.1	0.2	0.2	0.2	0.2	0.3	0.3	1.5
Australasia	0.1	0.1	0.1	0.1	0.2	0.2	0.2	3.2
Total Industrialized	2.5	2.9	2.9	3.7	4.3	5.0	5.6	2.9
EE/FSU								
Former Soviet Union	0.4	0.2	0.2	0.2	0.3	0.4	0.6	4.3
Eastern Europe	0.0	0.0	0.0	0.1	0.1	0.1	0.1	5.7
Total EE/FSU	0.5	0.3	0.3	0.3	0.4	0.5	0.7	4.5
Developing Countries								
Developing Asia	0.3	0.5	0.5	0.7	1.0	1.3	1.7	5.4
China.	0.0	0.1	0.1	0.1	0.2	0.2	0.3	6.0
India	0.0	0.0	0.1	0.1	0.1	0.2	0.3	7.6
South Korea	0.0	0.0	0.1	0.1	0.1	0.2	0.2	6.0
Other Asia	0.2	0.3	0.3	0.4	0.6	0.8	1.0	4.7
Middle East	0.1	0.1	0.1	0.2	0.2	0.3	0.4	4.2
Turkey	0.0	0.0	0.0	0.0	0.1	0.1	0.1	5.3
Other Middle East	0.1	0.1	0.1	0.1	0.2	0.2	0.3	3.8
Africa	0.1	0.1	0.1	0.2	0.2	0.3	0.4	5.2
Central and South America . . .	0.1	0.1	0.2	0.2	0.3	0.4	0.5	5.2
Brazil	0.0	0.0	0.0	0.1	0.1	0.1	0.2	5.3
Other Central/South America . .	0.1	0.1	0.1	0.2	0.2	0.3	0.4	5.2
Total Developing	0.6	0.9	0.9	1.3	1.8	2.3	3.0	5.2
Total World	3.7	4.0	4.1	5.3	6.5	7.8	9.3	3.6

^aIncludes the 50 States and the District of Columbia. U.S. Territories are included in Australasia.

Notes: EE/FSU = Eastern Europe/Former Soviet Union. Totals may not equal sum of components due to independent rounding.

Sources: **History:** Derived from Energy Information Administration (EIA), *International Energy Annual 1997*, DOE/EIA-0219(97) (Washington, DC, April 1999). **Projections:** EIA, World Energy Projection System (2000).

**Table E9. World Total Other Transportation Use Energy Consumption by Region, Reference Case,
1990-2020**
(Million Barrels of Oil per Day)

Region/Country	History			Projections				Average Annual Percent Change, 1997-2020
	1990	1996	1997	2005	2010	2015	2020	
Industrialized Countries								
North America	1.5	1.4	1.4	1.5	1.6	1.7	1.8	1.3
United States ^a	1.3	1.2	1.1	1.2	1.3	1.5	1.6	1.4
Canada.	0.2	0.2	0.2	0.2	0.2	0.2	0.3	1.1
Mexico	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
Western Europe	1.0	1.0	1.0	1.0	1.1	1.1	1.1	0.3
United Kingdom	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.3
France	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2
Germany	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Italy.	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2
Netherlands	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3
Other Western Europe.	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.3
Industrialized Asia	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4
Japan	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3
Australasia	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.7
Total Industrialized	2.7	2.8	2.7	2.8	3.0	3.1	3.3	0.8
EE/FSU								
Former Soviet Union	0.8	0.5	0.5	0.6	0.6	0.7	0.7	1.3
Eastern Europe	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.1
Total EE/FSU	0.8	0.6	0.6	0.6	0.7	0.7	0.8	1.3
Developing Countries								
Developing Asia	0.9	1.0	1.1	1.2	1.2	1.3	1.4	1.2
China.	0.3	0.4	0.4	0.4	0.4	0.5	0.5	1.2
India	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.9
South Korea	0.1	0.2	0.2	0.2	0.2	0.2	0.2	1.4
Other Asia	0.4	0.4	0.4	0.5	0.5	0.5	0.6	1.2
Middle East	0.2	0.3	0.3	0.3	0.3	0.4	0.4	1.0
Turkey	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
Other Middle East	0.2	0.3	0.3	0.3	0.3	0.4	0.4	1.0
Africa	0.1	0.2	0.2	0.2	0.2	0.2	0.3	1.2
Central and South America . . .	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.8
Brazil	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.9
Other Central/South America . .	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.8
Total Developing	1.5	1.8	1.8	1.9	2.1	2.2	2.3	1.1
Total World	5.0	5.1	5.1	5.4	5.7	6.1	6.4	1.0

^aIncludes the 50 States and the District of Columbia. U.S. Territories are included in Australasia.

Notes: EE/FSU = Eastern Europe/Former Soviet Union. Totals may not equal sum of components due to independent rounding.

Sources: **History:** Derived from Energy Information Administration (EIA), *International Energy Annual 1997*, DOE/EIA-0219(97) (Washington, DC, April 1999). **Projections:** EIA, World Energy Projection System (2000).

Table E10. World Per Capita Vehicle Ownership (Motorization) by Region, Reference Case, 1990-2020
 (Vehicles per Thousand Population)

Region/Country	History			Projections				Average Annual Percent Change, 1997-2020
	1990	1996	1997	2005	2010	2015	2020	
Industrialized Countries								
North America	601	605	609	630	645	662	682	0.5
United States ^a	765	770	773	787	792	795	797	0.1
Canada.	596	578	589	646	665	678	686	0.7
Mexico	119	139	148	200	253	313	386	4.2
Western Europe	455	501	509	554	569	579	587	0.6
United Kingdom	457	491	501	552	569	580	587	0.7
France	502	532	543	598	617	629	636	0.7
Germany.	485	534	543	592	609	619	626	0.6
Italy.	525	584	594	649	667	679	687	0.6
Netherlands	385	414	422	462	476	485	490	0.7
Other Western Europe.	384	435	440	471	481	488	492	0.5
Industrialized Asia	488	556	565	613	630	640	650	0.6
Japan	467	544	554	603	620	631	638	0.6
Australasia	617	624	631	666	678	686	691	0.4
Total Industrialized	520	556	562	598	615	629	643	0.6
EE/FSU								
Former Soviet Union	357	114	121	162	176	184	190	2.0
Eastern Europe	213	191	200	251	269	280	287	1.6
Total EE/FSU	314	136	144	188	203	212	218	1.8
Developing Countries								
Developing Asia	10	17	18	30	38	45	47	4.2
China.	5	9	10	22	36	51	54	7.5
India	5	8	9	16	19	20	21	4.0
South Korea	79	207	228	344	382	407	422	2.7
Other Asia	18	27	29	41	45	47	49	2.3
Middle East	38	53	54	65	73	81	91	2.3
Turkey	42	72	77	104	113	119	122	2.1
Other Middle East	37	48	48	55	64	72	84	2.5
Africa	24	23	23	28	32	37	43	2.7
Central and South America . . .	68	83	86	109	133	160	194	3.6
Brazil	81	99	101	131	163	200	247	4.0
Other Central/South America . .	58	71	76	95	113	133	160	3.3
Total Developing	21	28	30	42	51	61	68	3.7
Total World	124	117	119	130	137	142	146	0.9

^aIncludes the 50 States and the District of Columbia. U.S. Territories are included in Australasia.

Notes: EE/FSU = Eastern Europe/Former Soviet Union. Totals may not equal sum of components due to independent rounding.

Sources: **History:** American Automobile Manufacturers Association, *World Motor Vehicle Data* (Detroit, MI, 1997). **Projections:** Energy Information Administration, World Energy Projection System (2000).